

Current Status of Claims

1-39. (canceled)

40. (withdrawn) A composition for coating implanted medical devices, which devices may lead to or be associated with inflammation of surrounding tissues, said composition comprising anti-inflammatory effective amounts of a non-bovine, heavily-sulfated proteoglycan and a flavonoid compound.

41. (withdrawn) The composition of claim 40, wherein said proteoglycan is chondroitin sulfate.

42. (withdrawn) The composition of claim 40, wherein said flavonoid compound is quercetin, myricetin or genistein.

43. (withdrawn) A method of protecting tissues from inflammatory processes caused by or associated with implanted medical devices, comprising coating said medical devices with the composition of claims 40-42 prior to implantation.

44. (withdrawn) The composition of claim 40, wherein said medical device is selected from the group consisting of artificial skin, artificial joints, stents for blood vessels, pacemakers, synthetic blood vessels, stents for abdominal support, live tissue transplants, prostheses, dental implants and breast implants.

45. (currently amended) A medical device for implantation in or upon tissues, wherein said device is coated with an anti-inflammatory composition.

46. (currently amended) A medical device of claim 45, wherein said anti-inflammatory composition comprises a non-bovine, [highly] sulfated proteoglycan and a flavonoid compound.

47. (original) The device of claim 46, wherein said proteoglycan is chondroitin sulfate.

48. (original) The device of claim 46, wherein said flavonoid compound is quercetin, myricetin or genistein.

49. (withdrawn) A medical device of claim 43, wherein said medical device is selected from the group consisting of artificial skin, artificial joints, stents for blood vessels, pacemakers, synthetic blood vessels, stents for abdominal support, live tissue transplants, prostheses, dental implants and breast implants.